FY 2009 Capital Budget TPS Report 49348

Agency: Commerce, Community and Economic Development

Grants to Named Recipients (AS 37.05.316)

Grant Recipient: AVCP Regional Housing Authority **Federal Tax ID:** 92-0048664

Project Title:

AVCP Regional Housing Authority - Emergency Generator Upgrades & Metering Systems

State Funding Requested: $ 1,350,000 **House District:** 38 - S
Future Funding May Be Requested

Brief Project Description:

Pass-through grant to the communities of Napaskiak, Atmauthluak, and Tuntutuliak to purchase gnerators with wind turbine system, switchgear and 100 meters for pre-paid metering capabilities

Funding Plan:

Total Cost of Project: $1,350,000

Funding Secured		Other Pending Requests		Anticipated Future Need	
Amount	*FY*	*Amount*	*FY*	*Amount*	*FY*

There is no other funding needed

Detailed Project Description and Justification:

$450.0 - Napaskiak
$450.0 - Atmauthluak
$450.0 - Tuntutuliak

These communities have entered into partnerships in efforts to pursue energy efficiencies in their communities.

Phase I, purchase 2 new John Deere energy-efficient gernerators of 250kW caliber with wind turbine system, switchgear and 100 meters.

These purchases will; (a) provide an energy-efficient system; (b) solve communities current adn near future generation problems; (c) assist the communities in their efforts to become self-sufficient; (d) minimize fuel needed to generate electricity which results in Operatons and Maintenance expenses; and (e) provide a means to develop needed administrative capacity.

Phase II, the Communities will continue to seek alternative energy funds; and phase III calls for distribution of their comprehensive community plan. The Community has applied for an Energy Efficiency Technical Assistance Program grant, through AEA, to develop an electrical conservation program.

Project Timeline:

Fall 2008

For use by Co-chair Staff Only:

4:58 PM 4/29/2008

Contact Name: Pat Walker
Contact Number: 5047

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

City of Napaskiak, Atmauthluk, and Tuntutuliak Communitiy Service Association

Grant Recipient Contact Information:

Contact Name: Ron Hoffman, Executive Director
Phone Number: (907) 543-3121
Address: PO Box 767, Bethel, AK 99559
Email:

Has this project been through a public review process at the local level and is it a community priority? [X] Yes [ ] No

Contact Name: Pat Walker
Contact Number: 5047

For use by Co-chair Staff Only:

4:58 PM 4/29/2008

Napaskiak Utility
P.O Box 6078
Napaskiak, AK 99559
Phone: (907)737-7432
Fax: (907)737-7989

January 25, 2008

To: Representative Mary Sattler-Nelson
Senator Lyman S. Hoffman F465-4523

Dear Honorable Senator Lyman Hoffman and Rep. Mary,

Happy New Year! We hope the new year brings peace and happiness to all. The City of Napaskiak is seeking funds to upgrade our existing generators to Wind Turbines and energy efficient generators with waste heat recovery to church and the local school to improve energy efficiencies and provide reliable power to its people of the City of Napaskiak. Our highest priority is an energy efficient generator and wind turbine project which will help reduce the use of fuel and especially to decrease the cost of producing electricity to our low income and increase efficiency for the community.

We have discussed several important issues in the community and have come to the conclusion that this is by far the most important issue that needs to be done. This Generator Project is and has become necessary to meet our community's basic needs. Without these upgrades, we are at risk of the poor health and safety levels. We would not be able to generate enough electricity to ensure energy efficiencies and basic electricity to our residents. This project will help us in building our administrative capacity and maintain the sustainability for our utility services. Other projects are now being constructed in our community which will require more electricity, and are depended on this Project to be completed this year.

Napaskiak is requesting a direct appropriation, initiated from your office, to assist us in obtaining the necessary funding. By this we respectfully ask your assistance in obtaining the amount of $375,000.00 for this project. This represents the cost of 2 new 250 kilowatt generators, switch gear, installation and transportation. Our staff and business consultants have indicated that this amount will satisfy and complete this project. We have sought funding from other sources but they either do not meet our necessary schedule to perform, is too time consuming or we cannot readily meet their program requirements. This funding will resolve our situation for the long term solution. Without this appropriation, Napaskiak will have to continue to burn unnecessary fuel at very high costs, lose any planned efficiencies and delay any economic growth in the community. Residents will be forced to use more of their electricity.

We would be glad to answer any questions you might have on this project. You can contact me at (907)737-7432.

Sincerely,

Carl D. Maxie

Carl Maxie Sr, Utility Manager

Cc:/ City of Napaskiak
Cc:/ Native Village of Napaskiak

=== COVER PAGE ===

TO: _____

FROM: NAPASKIAK UTILITYILI

FAX: 907737989

TEL: 9077377432

COMMENT:

NAPASKIAK ELECTRIC UTILITY

NAPASKIAK UTILITY
P.O. BOX 6078
NAPASKIAK, AK 99559
PHONE # (907)737-7432
FAX # (907)737-7989

Fax

To: Mary S. Nelson **From:** Carl Maxie Sr.

Fax: 1-907-465-4523 **Pages:** 2 incl.

Phone: **Date:** 1-28-08

Re: Appropreation Letter **CC:**

☐ Urgent ☑ For Review ☒ Please Comment ☐ Please Reply ☐ Please Recycle

• **Comments:**

With Budget, we would like tohavesheldwled visit to your office by Feb. 08, concerning the needs for Community of Napaskiak, concerning Energy & fuel efficient generator sets.

If you need further information, please contact the Utility Manager, Carl Maxie, at 737-7432.

Thank you very much for your time.

Carl Maxie

Senator Lyman Hoffman

Room 514, Capital Building
Phone 465-4453 / Fax 465-4523

Memorandum

February 4, 2008

To: Carl Maxie Sr.
Utility Manager
Napaskiak Utility

Re: CIP request for $375,000 to upgrade/convert generators to Wind Turbine generators

Thank you for your letter dated January 25, 2008 outlining Napaskiak Utility's request for a Legislative Capital Improvement Project grant in the amount of $375,000 to upgrade existing generator to Wind Turbine generators. I have added this request to my list of requests from our district.

I need further back-up information listed below:

(a) A description of the project
(b) Specific amount of state funding being re-quested
(c) Supporting resolutions from your City and/or Tribe, letters of support from organizations or community members)
(d) And, a complete project funding scenario. For example, what funding you have already received for a project, what you have applied for (federal, Denali Commission, EPA, USDA, private), what funding will be needed to complete the project (if the project is phased, how much money needed per phase), and what public purpose the requested state funding will serve.

I appreciate your taking the time to get my office further information for your request.

Thank you.

PROJECT DESCRIPTION.

The City of Napaskiak (the City) is seeking a direct appropriation to upgrade its utility's generation and metering system. The City owns the Napaskiak Electric Utility (NEC), the provider of electrical services in the City and community of Napaskiak (pop. 436). NEC needs two new energy-efficient generators of the 250kW caliber and 100 meters immediately. The initial cost is estimated to be between $375,000 and $450,000. This would provide the long-term solution to many of the City's electrical concerns as it grows and tries to become more sustainable.

Phase I of the community's energy plan calls for (2) 250 kW generators which are John Deere models, and 100 new meters. These generators are similar to the older, well-used generators now in use, and are about to go out of service. There are many hours on these and they need to be replaced with new energy-efficient ones. The City needs this equipment, along with the necessary switchgear, to provide the basic electrical services to residents, businesses, and the school in Napaskiak. The (100) meters will replace the antiquated ones that are not reading the data correctly so that NEC can charge properly. This metering system will assist the management of NEC to further develop its administrative capacity, make collections, develop an R&R fund, and become more sustainable. Phase I is just to get the City up to code, and get them in a position to seek other alternative energy and renewable resource, such as wind.

The rationale of this request can generally be described as: [a] It provides an energy-efficient system, [b] It will solve the generation problem for over 20 years or more, [c] It will assist the City and NEC in their efforts to become self-sufficient, [d] It will help minimize the fuel needed to generate electricity, thus saving on O&M expenses, and [e] It will provide a means to develop the needed administrative capacity.

The City has already researched other funding sources but the timing of the needed project does not fit their timeframes. Some of their funding cycles are well over two years before funding is considered. This is time Napaskiak cannot afford, and it will place the community in a life, health, safety condition. The City will continue to seek other funds for Phase II (alternative energy) and Phase III (distribution) of their comprehensive community plan. The City has applied for an Energy Efficiency Technical Assistance Program grant, through AEA, to develop an electrical conservation program for the community. The City is also in its beginning investigation of funds for these two other phases having contacted the Denali Commission and USDA/RUS. The City and IRA are also working together in seeking funding through their respective funding sources but these do not come about until later. The City cannot afford another season on the existing generators and meters.

The Scope of Work includes the purchase of the Phase I equipment (2 generators, 100 meters). The design, transportation, installation, and training are included in the cost of the Phase I. The staff of NEC and AEA will be working together on this work.

Phase II Wind study - alt. Energy generation $6-10,000.-

The City and NEC has dedicated its utility facility to house the generators. There will be no site or environmental issue since this phase is considered a replacement project. If a direct appropriation in the amount requested is granted, this project will be completed no later than the fall of 2008. Another winter could prove disastrous for Napaskiak and the community homes and other facilities. Furthermore, the equipment needs to be ordered immediately to meet the transportation schedule this summer.

The City and NEC staff will be available to assist in the transportation from Bethel to Napaskiak, and in the installation of the equipment. They are also committed to be trained on the new equipment.

COST OF PHASE I.

The basic cost for this phase is broken down as follows:

(2) John Deere 250 kW generators with associated gear	$275,000
(100) meters for pre-paid metering capabilities	$100,000
	$375,000
Miscellaneous, training, contingency costs	$ 75,000
	$450,000

250 - 5101

Napaskiak Utilities
P.O. Box 6041
Napaskiak, Alaska 99559
Phone #1-907-737-7432
Fax #1-907-737-7989

Bruce Tiedeman-Community Relations
Alaska Energy Authority/Alternative Energy & Energy Efficiency
813 W. Northern Lights
Anchorage, Alaska 99503
January 30, 2008

Season's Greeting and Happy New Year;

Per our conservation in regards to our situation with our high cost of fuel that we use to operate in a year of over $200,000.00 a year for fuel alone not including Operation & Maintenance and the generators run on Diesel that are not in fuel efficiency to save fuel that need to be upgraded to Diesel fuel efficiency Generators to handle high energy costs of fuel to operate for electrical services to community and school. For this reason alone the customers are paying .60 to .74 cents a KWH hour with average up to $300.00 a month for some households and giving the low income households a heavy burden to handle that lead to out of electric service for days with their freezers full of food for winter in turn could be gone to waste that they took time all summer to supply for the whole winter. The generators are at this time are not capable to handle with the fast growing community yearly with commercial buildings included and their conditions with maintenance costs are very high with rubber gate valves are constantly going wear and tear that needs to be changed to heat resistance type gate valves that cause the engines to malfunction when the rubber surroundings break off to the engines in the cooling system and its not the plant operators fault. I don't know how long they will last and we have trip reports from G.E. Mechanical and Marsh Creek for the conditions to Generators sets at the module here at Napaskiak We have three certified Plant Operators that can do very well for maintenance year round. The population here in Napaskiak is less then 600 people with at least 100 households.

The distribution lines are in great need for maintenance from one end of the village to another that is creating unsafe hazard to the community and surrounding school area with some three transformers in one pole that are not standing tall straight up, but starting to slant towards the ground and at some cases we had a line by my house with sparks that created very hazard conditions to the households that went haywire and scared some people to death.

At this point on behalf of the people and the community, along with the school on the glycol waste system that circulates at the module facilities wasting in the air would like to put it in use to heat the school and the church. I myself know about the glycol heating system for am been the plumber with certificate with hours, but not licensed.

We would like to have before the up-coming FY08 year to have Alaska Energy Authority to give us on behalf of the community and school to help with the Energy Efficiency Technical Assistance from your program that will improve our high cost of Operations & Maintenance to reduce fuel consumption to generate power and heat major facilities, such as school and church. Also, evaluating other potential energy measures and developing much needed information in applying for grants to replace transformers that are inefficient and other power system generators and distribution improvements with end use efficiency measures.

The priorities for the Community of Napaskiak is are as follows;

1. 2-New Energy Efficient Generators with wind turbine system
2. Waste heat Recovery to Church and School
3. Up-grading Distributing lines from user to end use for line loss
4. pre-paid metering system to improve collections

Since Juneau Legislation is in session for ninety days on Energy, we are lobbing on February 8, 2008 at Senator's office for funding the projects and need the specific scenario estimate amount of state funding-even by phases to complete, so it might process faster to above needs to the community and have the Professionalism from AEA/AIDEA personal to manage and install the project.

Please do not hesitate to contact me if you have any questions with this matter.

Thank-you for your patience and cooperation in this matter.

Sincerely,

Utility Management
Carl D. Maxie Sr.

Cc. file
James Jenson – Alt. Energy & Energy Effic.

MARSHCREEK
TECHNICAL SERVICES

Trip Report Form

Report Date Monday, April 02, 2007

Job Number AE0532070 8

NAME: Jo n Haase

Title: Generator Technician/Mechanic

Dates/Pla :es/Times Traveled:

DEPARTED			ARRIVED		
Place	Date	Time ----	Place	Date	Time
Anchorag	Friday, March 30, 2007	13:40	Bethel	Friday, March 30, 2007	15:40
Bethel	Friday, March 30, 2007	16:45	Napasklak	Friday, March 30, 2007	17:00
Napaskial	Saturday, March 31, 2007	15:00	Bethel	Saturday, March 31, 2007	15:45
Bethel	Saturday, March 31, 2007	20:45	Anchorage	Saturday, March 31, 2007	22:00

Did any fu el spills occur? No
Did any a cidents occur? No

Date	**Friday, March 30, 2007**
Job Site	**Anchorage, and Napaskiak**

Job #		AE05320708
Day		01
Weather		Clear, 10 mph winds, 34°F
Per Diem	$45	
Start		09:15
ish		22:00
urs worke		13
Expenses		Taxi $28, airport Cart $3, Bethel Taxi's $16, Mileage 30, water $12.98

Was called by AEA at 09:00, and asked to contact Carl in Napaskiak re the problems that they are having with their power. I was told that the voltage was reading 480 on one leg, and nothing on the others. I was told that they burned out a voltage regulator on unit #1, and that they attempted to remove one from the #2 position, and place in the #1 position in an attempt to get power back up. This didn't work. Traveled to AEA shop and picked up a used APR63-5 regulator, and also contacted Rob Corley at AVEC, and picked up a new regulator from there. Returned to the shop and dropped off supplies. Packed up tools, parts and gear for travel to Napaskiak. Returned to the shop and contacted a cab to pick me up and take me to the airport. Made it to Alaska Airlines at 12:40. Checked in and traveled to Bethel, arriving at approximately 15:40. Attempted to locate a cab company that would pick me up at the airport, and drive the river to Napaskiak. Checked in at Grant Air, and they put the WNA Napaskiak tags on all of my bags, and told me to be ready to travel at 16:50. I returned from getting water at 16:30 and they were boarding their flight to Napakiak and were wondering where the fourth person was for the flight. I told them that I was going to Napaskiak and eventually one of the girls behind the counter said that I was checked in on the Napakiak flight. They decided right then to amend the flight plan and drop me off in Napaskiak.

Arrived in Napaskiak at 17:00, and traveled to the plant. They showed me the old regulator, and the plant. We were able to start the #1 unit but it would not generate voltage past the 38V mark. Checked the regulator to see that it was installed correctly, and found that all connections seemed to be correct. Checked for voltage from the F+, and F-, and found no voltage. Started disconnecting the connections from the #1 regulator, and found that the "N" neutral wire would spark and arc a little when I attempted to loosen it. At the same time I heard the #3 unit fluctuate a little, and warned the operators that I expected an outage, as the lights went out. The #3 unit sputtered and coughed and varied its speed for a while, and shut down oddly. Attempts to start the unit were unsuccessful. It would not even crank. Checked the starter, and it was receiving 12V to the main terminal, and would receive 7 volts to the solenoid on an attempted start. This starter was painted white, and looked as if it were pulled off of some old piece of equipment. Had to attempt to get #1 running to get the village back up. Attempted flashing the field, and was able to get good voltage from the generator. Installed one of the new regulators, and started the unit. Adjusted the voltage to 480V. Attempted to bring the unit on line. The unit would start and come up to voltage, but the display would not show voltage, and the under voltage and the under Frequency lights would stay on. Found that the ASCO display would not display until there was AC voltage to it. Couldn't get the breaker to close. Finally tested a theory that the UV/UF faults latched while adjusting voltage to 480 from 288. Shut the unit down, and started again. Brought up to speed, and was able to bring the plant online. The displays started working. Apparently the displays require a 120 volt signal from the plant transformer to work. Apparently the Neutral wires to the regulators are daisy chained through the panel, and removal of a regulator would disrupt voltage to panels to the right of this regulator. To me this is completely unacceptable making the almost impossible to work on without a complete shutdown. Removed regulator from #2 had its terminals taped together (another poor connection and voltage loss to #3). Used a jumper on these wires in attempt to get the #1 panel to work. The unit would not start. It seemed that the start relay would close in the panel, and a voltage of 7V would appear at the starter's solenoid, but it would not crank. Attempted to crank the engine by shorting Positive to the start terminal on the starter, and it would crank. Found an auxiliary solenoid on the wall next to the generator, and attempted to actuate the starter from here. Shorted the terminals and didn't have enough voltage to start the unit. Pulled the back cover off of the generator where all of the wiring appears to be traveling. Found that the solenoid was removed from the generator can and placed on the wall. In the process, the extension wires were spliced with wire nuts. Tightened the wire nuts, and then checked the wires going through the conduit to the wall they were chafed, but didn't show signs of shorting yet. The conduit has no bushings or soft edges for the wire to enter or exit. The unit now starts. There were no terminals in town to repair this with. Had my box of terminals sent out from Anchorage. Will splice the wires when the box shows up in the morning. Carl will pick up the parts from AK air at 09:00 on his snow machine, and should be back here at 09:30.

They had opened a cutout at the other end of town due to concerned that closing this cutout would trip the breaker at the plant. Traveled there and opened all breakers for the services off of the transformer. Closed the cutout, and the village power stayed on. Closed all of the breakers to the housed off of this transformer, and checked power. There were no problems. Checked the plant. Found that the A phase current was twice the C phase current. About 177 to 85. I was asked if we had any linemen to do the redistribution, and I said no. We decided to check again in the morning as all of the water heaters in the houses that were just turned back on, could be the cause of the phase imbalance. Will have to check the current readings when they have stabilized. It is now 21:00, and we headed back to the plant and the city office for the evening.

It appears that the #2 unit has been disabled, and I was told that it had locked up. The turbo has long since been removed. A second battery is jumpered to #1 supposedly to assist with its starting problems. The panels need some work, such as getting the displays to work from the generators own voltage, isolating the regulators from each other (running separate neutrals). #3 needs a water pump replaced. During the outage, I could hear coolant draining rapidly from the weep hole. They say that the leaks slow down when the

unit is runn ng. There is a water pump on site, and we will attempt to install it in the morning. I am told that the isolation valves for the units ai e inoperative, and that we will have to drain the entire system to replace the water pump. Carl says that there are 6 valves on order. The distribution needs to be redistributed to repair the phase imbalance.

Date		Saturday, March 31, 2007
Site		Napaskiak, Bethel, and Anchorage
Job #		AE05320708
Day		02
Weather		250 ft / < 1 mile visibility, Snowing.
Per Diem	$45	
Start		06:00
Finish		23:00
Hours worke i		15
Expenses		fuel for snow machine $38, Airport Cart $3, Taxi in Bethel $6, Mileage in Anchorage 35

Worked on reports for yesterday. Returned to the plant, and worked on preparation for replacing the #1 water pump. We have to shut down he plant due to the fact that the butterfly valves have failed. Announced an outage, and drained the coolant from the entire plant. Inst lled a new water pump on #1. It is recommended that the hoses be replaced in the near future. We were able to replace the intake l ose with a new piece of three inch rubber hose. Replaced three coolant valves in the cooling system. I am concerned that the radiato s and oil coolers are getting clogged from the disintegrating rubber from the valves. **I recommended that the plant cooling s) stem should be cleaned out this summer.** There was some concern about #1 running a little hot, so we replaced the thermo tats while the coolant was drained. I am concerned that the cause could be due to the unit being clogged with rubber from the disinte(rating valves. Discussed this and the lack of plant cleanliness with Carl. Told him that the plant would have to be kept clean in order to)e able to efficiently detect problems such as leaks etc....

Carl had tr veled by snow machine to the Bethel airport to pick up the parts from Alaska Air, and I was able to splice the wire s in the #3 unit. I vould have liked to replace all of the wiring to the solenoid had we had enough supplies in the village, and I recommend that in the uture that the wires be replaced all the way from the solenoid to the generator with no splices. I wrapped the wi ed and conduit wit 130C tape to keep the wires from chafing in the future.

Installed a iew fuel line on #1 to stop the leaks. Filled the cooling system back up and bled the system. The plant is higher on the #3 side, and tl is is where most of the air collects. Started the units and bled the system again. Filled with coolant, and brought the stem on ne using #3 and #1 in parallel. Bled the coolant again. The A phase cut out blew at the plant. Their only stock of cutout ses were 5 amp units. This calculates out to a capacity of only 34.5 Kw. They were pulling a total of about 200 Kw at the time (approx 66 Kw per leg). Recommended that they replace it with a 15 amp fuse. They didn't have any in stock. Installed anc ther 6 amp fuse, nd this blew out in a couple of minutes. Had to install a piece of #6 copper, explained to them that this would need to be replaced in mediately upon arrival of the new fuses. The load dropped to near 110 Kw in about 20 minutes.

Installed a lefective voltage regulator in the #2 position to keep the Neutral wires together in the daisy chain. Carl was curic us if I could diagr)se the issues with #2. It is missing a turbo, actuator, throttle lever, battery, brackets, or air cleaner ducting. An accurate assessmen would have to be completed at a later date when the unit could be taken down with proper tools. Disassembly with defective c olant valves would be impossible without taking down the entire plant for an extended amount of time. Discusse i the issues with a Mechanic that had previously diagnosed the unit and was told that the unit was beyond repair, and should be replaced. Even if it w re in good repair, the village needs a Higher KW unit.

Packed up iear and supplies and attempted to get a flight out of Napaskiak on Grant Aviation. They were on weather hold. The plant operator tc)k me to Bethel on his snow machine in exchange for purchasing gas for him. Arrived just too late for the 16:00 et. Checked in or the 20:20 jet, and worked on completing reports and paperwork. This flight was late, and I arrived home at 2:30.

The PML panels need to be wired into its particular generators potential transformers instead of plant power so that voltage and frequency can be checked prior to putting the plant back on line from an outage.

The Water pump hoses on #1 need to be replaced. The ones that are being used are tearing, and should be replaced at the earliest convenience.

Cooling system needs to be completely cleaned including opening the radiators, and cleaning out the cores. The final 7 valves in the system need to be replaced at the same time.

The Voltage regulators need to be wired to their individual generators, and not daisy chained.

The Village Distribution needs to be assessed, and adjusted to eliminate the phase imbalance in the village. Currently the imbalance could cause about a 30 to 40 percent loss of capacity in the village, requiring the use of larger less efficient generators.

The sizing of cutouts needs to be assessed and adjusted throughout the village, and especially at the plant.

The auxiliary start solenoid needs to be rewired straight to the terminal strip with no splices, and the conduit needs ends and bushings installed.

Repair or replacement of unit #2 will need to be completed.

A filter order list will be supplied as soon as we can get a cross-reference and quote.

FY 2007 January - December Fuel Used and Costs

	Fuel Used Gallons	Fuel Used Costs	O & M Non Fuel	KWH Used
January 2007	6,896	$ 21,276.22	$ 13,892.02	91,632
February 2007	6,262	$ 19,320.14	$ 11,700.98	82,097
March 2007	7,262	$ 26,070.58	$ 12,129.89	91,836
April 2007	6,055	$ 19,436.56	$ 37,272.33	73,688
May 2007	5,581	$ 17,915.01	$ 46,748.34	68,367
June 2007	5,067	$ 16,232.97	$ 35,344.13	65,396
July 2007	4,881	$ 15,240.43	$ 18,158.32	62,290
August 2007	5,724	$ 17,872.61	$ 37,118.50	70,814
September 2007	6,885	$ 21,497.72	$ 36,591.90	81,123
October 2007	6,100	$ 19,046.64	$ 19,046.64	90,397
November 2007	7,229	$ 22,571.82	$ 18,117.52	92,890
December 2007	7,435	$ 23,215.04	$ 28,390.99	110,705
Total:	75,377	$ 239,695.74	$ 314,511.56	981,235

Residential
.60 @ Kwh
Commercial
.74 @ Kwh

Fuel Expense

FY **2007** Fuel Loan To Pay Off

$ 165,069.44 FY 2007
Paid off in September 2007

FY **2008** Fuel Loan To Pay Off

$ 166,264.34
Paid 2 times at $37,695.46 till September 2008
$ 128,568.88 current balance

Statistics of Expense

Napaskiak Utility
P.O. Box 6078
Napaskiak, Alaska 99559

City of Napaskiak
P.O. Box 6009
Napaskiak, Alaska 99559

J uary 2008

Recommended: John Deere Stick with Swith Gear

Current generators in Plant Facility as of January 2008:

200 KW	#3 6076 AF .030 148 KW Serial 55480	Problem: Can not handle load with whole village, Mostly at day time and cold weather.
165 KW	#2 6076 P .030 125 KW Serial 554009	Problem: Broken?
OK 235 KW	#1 6125 A 235 KW Serial 010152	Working, but wear and tear, using lots of fuel.

Note:

1) How many power outage in 2007?
2) How many power outage in 2006?
3) Maintenance cost for 2007?
4) Maintenance cost for 2006?

Unified Council of Napaskiak
Napaskiak, Alaska 99559

RESOLUTION NO. 01-08

A RESOLUTION SUPPORTING ENERGY REDUCTION COST EFFORTS BY INSTALLING WIND TURBINES AND ENERGY EFFICIENT GENERATORS WITH WASTE HEAT RECOVERY TO CHURCH AND LOCAL SCHOOL THROUGH THE ESTABLISHMENT AND EFFORTS OF UNIFIED COUNCIL OF COMMUNITY OF NAPASKIAK.

WHEREAS: The City of Napaskiak is a Municipal Government, The Native Village of Napaskiak is a Federal Recognized Village Government, and

WHEREAS: The high cost of Fuel and living is steeply increased by the location of our village in remote western area, to include Electricity, transportation, and

WHEREAS: We are constantly trying to decrease the cost of producing electricity to the low-income community and increase efficiency for the benefit of our consumers, and

WHEREAS: The Unified Council of Napaskiak is being formed by the organizations of Napaskiak and carry out these efforts, and

WHEREAS: The Unified Council of Napaskiak directs the Deputy Director-Rural Energy Mike Harper of Alaska Energy Authority to implement the needs to reduce energy for the benefit of our community and appoint a representative to point of contact with AEA/AIDEA Alternative Energy Programs for Community of Napaskiak, and

NOW THEREFORE BE IT RESOLVED THAT, The City of Napaskiak, The Native Village of Napaskiak, Napaskiak Incorporated supports the formation of the Joint Group (Unified Council of Napaskiak) and its efforts to apply for, secure and obtain funding to install High-Penetration Wind Turbines in the near future-starting now in our community of Napaskiak to reduce electrical costs in an environmental friendly manner, and

BE IT FURTHER RESOLVED THAT, The City of Napaskiak, The Native Village of Napaskiak will address the necessary issues to bring this project effort to tuition.

CERTIFICATION:

The foregoing resolution was passed and approved by the duly convened meeting of the City of Napaskiak, Native Village of Napaskiak, Napaskiak Inc., this 23rd. Day of January 2008. By vote of YES-12, NO-none, and none-ABSTAINING.

Mayor-City of Napaskiak
Joseph C. Bavilla

Chief-Native Village of Napaskiak
Chris G. Larson

Chairman-Napaskiak Inc. Phillip Nicholai Jr.

Unified Council of Napaskiak Meeting

January 23, 2008
Community Hall
6pm

I. Meeting called to order at 6:25pm. Roll Call: (City Council) Present: Vice-Mayor Timothy Jacob, Secretary Laura Evan, Members: Peter Williams, Nastasia Clark and Richard Larson,Sr.

II. Reading of Agenda: Tribal Chief Chris Larson read the agenda and made additions. Agenda approved with additions made.

III. Carl Maxie, Utility Manager and co-chairman Noah Okoviak from the Napaskiak Electric Utility Board along with Tribal Chief Chris Larson attended the Wind Energy workshop in Bethel on January 10-11, 2008 in Bethel. Carl is appointed to run the meeting forwarded by Chris.

Carl Maxie explained to the council what wind turbines are. Wind turbines would immensely help the generator use less fuel, using turbines would also cut the expenses for both the business and costumer. He strongly urges council to help small communities in our region. It is of great benefit to the community if Wind turbines are used in the village.
Carl showed a drawing of how the building will look like. Some villages on the YK delta region have already purchased and installed the Wind Turbines which immensely helps with the cost reduction for both business and customer.
We will need to obtain an land easement from the Napaskiak Incorporated with approval signatures for erecting a building and installing towers.
Chris suggests that we do a wind study for Napaskiak. Carl is reviewing the application for wind energy resource assessment program and will submit to each entity.
Phillip told the utility manager that if he puts in a letter for the land, he should have no problem getting it. Chris suggested that one member from each entity go to a meeting in Anchorage. Carl Maxie presented the council a draft resolution which states that the unified council approves the Wind Turbine purchase. Each entity is in support of the wind turbine. Phillip suggested that the unified council vote for the resolution:

Vote to accept resolution: In support:
Tribal Chief Chris Larson: Yes
Tribal Council James Paul: Yes
Utility Member: Matfie Larson: Yes
City Council:
Vice Mayor: Timothy Jacob: Yes
Secretary: Laura Evan
Member: Peter Williams: Yes
Member: Nastasia Clark: Yes
Member Richard Larson: yes

The Unified Council could be represented by each council member. Chris suggests to choose officials at the next meeting when all of the Tribal and Napaskiak Inc members are present. Everyone is in agreement with this. This committee a need for an MOA is not needed. Matfie suggests that all the entities work together, working together makes things happen.

Meeting adjourned at 7:40pm.

City of Napaskiak

P.O. BOX 6109
NAPASKIAK, ALASKA 99559

January 29, 2008

RE: Letter of Support

Honorable Legislators and Representatives;

In support of the efforts of the City of Napaskiak Electric Utility, we the City Councilman have fully agreed upon coming together with the Native Village of Napaskiak to form a Unified Council.

During our first meeting as a Unified Council, we unanimously agreed upon deciding to apply for grants and technical assistance with the Alaska Energy Authority for funding to purchase 2 new energy efficient generators and wind turbines as well as waste heat recovery to the church and the Local school.

With the high costs of fuel, the use of wind turbines will help with reducing high electrical monthly bills for low-income families. The purchase of 2 new generators will help with safety

This funding will resolve our situation for the long-term solution, we are asking the legislators to appropriate funding for our community energy efficiency projects. Without this appropriation, Napaskiak will have to continue to burn unnecessary fuel at very hight costs, lose planned efficiencies and delay any economic growth.

Please do not hesitate to call the City Clerk or the Administrator with any questions you may have. Thank you,

Sincerely,

Joseph C. Bavilla
Mayor

Timothy Jacob
Vice-Mayor

Laura Evan
Secretary

Peter Williams Sr
Member

Richard Larson Sr
Member

Mary Maxie
Member

Nastasia Clark
Member

Phone: (907)737-7626 Fax: (907)737-7412

NAPASKIAK TRIBAL COUNCIL
P.O. Box 6009
Napaskiak, Alaska 99559
(907) 737-7364 • Fax (907) 737-7039

January 29, 2008

RE: Letter of Support

Honorable Legislators and Representatives;

As per my conversation with Fannie Steven, Napaskiak City Clerk and Native Village of Napaskiak we are writing this letter in full and complete support of the City of Napaskiak efforts to look into alternative energy and more efficient power supply for the Community of Napaskiak.

All of the people that we serve publicly are the same people whether they be Tribal Members or City of Napaskiak residents. With a Unified Council resolution 01-08 we have demonstrated the need to work together for the betterment of Napaskiak as a whole.

With this letter we the Native Village of Napaskiak, Napaskiak Tribal Council member acting as a soveriegn government entity whole heartedly support the City of Napaskiak's efforts in seeking alternative energy sources in this atmosphere of rising fuel costs, escalating global unrest and turbulent economy.

At this time we urge the legislature to heed our call for action with the City of Napaskiak personnel and the Alaska Energy Authority to provide us with technical assistance in filling out the application process to conduct a wind study and possibly furtherment of the sustainable energy project as the number 1 priority in Napaskiak.

For any questions please contact Phillip Nicholai Jr., Tribal Administrator per the contents of this letter. Thank you for listening to our combined voices.

Respectfully Submitted;

Chris G. Larson	Earl Samuelson	James Paul	Nicholas Evan	Evan Williams
Chief	Vice Chief	Secretary	Member	Member

Cc: file

Napaskiak Incorporated
P.O. Box 6069
Napaskiak, Alaska 99559
(907) 737-7413

January 28, 2008

Napaskiak Utility
Carl Maxie
Utility Manager

Re: Land use

Napaskiak Incorporated supports the formation of the Joint Group, and it's effort to apply for, secure and obtain funding to install High-Penetration Wind Turbines in the near future. Napaskiak Incorporated has agreed with the Utility Company to use the land selected for testing purposes of the Wind Turbine. It is in the best interest of the Corporation to reduce the energy cost of the low- income people in the Native village of Napaskiak. If you should have any Questions or comments, please feel free to contact the General Manager @ 737-7413. Thank you.

Sincerely,

Jackie Larson
General Manager

DETAILED FY 08 BUDGET FORM

BUDGETED OPERATING EXPENDITURES — ELECTRIC UTILITY

→ Use this form ONLY if city owns utility (PCE subsidy)

		FY 07 ACTUAL (Estimated)	FY 08 BUDGET
Personal Services:	Salaries	$ 102,388.06	$ 105,000.00
	Stipends	$ 16,538.63	$ 5,000.00
	Payroll Taxes	$ 10,525.49	$ 11,000.00
	Workers Compensation	$	$
	Retirement / Pension	$	$
	Other: Professional Services	$ 1,239.35	$ 2,000.00
	Other:	$	$
	Total Personal Services	$ 130691.53	$ 123000.00
Power Plant Parts & Supplies:	Lube Oil	$ 4,498.08	$ 5,000.00
	Oil / Fuel Filters	$ 6,915.17	$ 7,000.00
	Small Tools	$	$
	Other:	$ 37,532.11	$
	Other:	$	$
	Total Power Plant Expenses	$ 48945.36	$ 12000.00
Repair & Maintenance:	Amortization of Major Overhauls	$	$
	Emergency Repairs	$	$ 10,000.00
	Routine Maintenance	$ 527.04	$ 1,000.00
	Outside Project Services	$	$
	Insurance	$ 11,522.00	$ 12,000.00
	Other:	$	$
	Other:	$ 10,233.57	$
	Total Maintenance Expenses	$ 22282.61	$ 23000.00
General & Administrative:	Office Supplies	$ 1,769.09	$ 2,000.00
	Office Rent	$ 780.00	$
	Travel	$ 14,599.66	$ 10,000.00
	Other: Training	$ 240.00	$
	Other: Postage	$ 780.00	$ 800.00
	Total Administrative	$ 1816.75	$ 12800.00
Other Operating Expenses:	Fuel	$ 209,640.00	$ 250,000.00
	Loans	$	$
	Transfers	$	$
	Other: RCA Fee	$ 588.00	$ 600.00
	Other:	$	$
	Total Other Operating Expenses	$ 210,228	$ 250600.00

TOTAL ELECTRIC UTILITY BUDGET	$ 430316.25	$ 421400.00

Enter on line 30 of Budget Summary

DETAILED FY 08 BUDGET FORM

BUDGETED OPERATING EXPENDITURES — ELECTRIC UTILITY

Use this form ONLY if city owns utility (PCE subsidy)

		FY 07 ACTUAL (Estimated)	FY 08 BUDGET
Personal Services:	Salaries	$ 102,388.06	$ 105,000.00
	Stipends	$ 16,538.63	$ 5,000.00
	Payroll Taxes	$ 10,525.49	$ 11,000.00
	Workers Compensation	$	$
	Retirement / Pension	$	$
	Other: Professional Services	$ 1,239.35	$ 2,000.00
	Other:	$	$
	Total Personal Services	$ 130,691.53	$ 123,000.00
Power Plant Parts & Supplies:	Lube Oil	$ 4498.08	$ 5,000.00
	Oil / Fuel Filters	$ 6915.17	$ 7,000.00
	Small Tools	$	$
	Other:	$ 37,532.11	$
	Other:	$	$
	Total Power Plant Expenses	$ 48,945.36	$ 12,000.00
Repair & Maintenance:	Amortization of Major Overhauls	$	$
	Emergency Repairs	$	$
	Routine Maintenance	$	$
	Outside Project Services	$	$
	Insurance	$	$
	Other:	$	$
	Other:	$	$
	Total Maintenance Expenses	$	$
General & Administrative:	Office Supplies	$	$
	Office Rent	$	$
	Travel	$	$
	Other:	$	$
	Other:	$	$
	Total Administrative	$	$
Other Operating Expenses:	Fuel	$	$
	Loans	$	$
	Transfers	$	$
	Other:	$	$
	Other:	$	$
	Total Other Operating Expenses	$	$

TOTAL ELECTRIC UTILITY BUDGET	$	$

Enter on line 30 of Budget Summary

DETAILED FY 08 BUDGET FORM

BUDGETED OPERATING EXPENDITURES — COUNCIL

		FY 07 ACTUAL (Estimated)	FY 08 BUDGET
Personal Services:	Salaries	$ 500.00	$ 500.00
	Stipends	$ 17,750.00	$ 17,750.00
	Payroll Taxes	$	$
	Workers Compensation	$	$
	Retirement / Pension	$	$
	Other:	$	$
	Other:	$	$
	Total Personal Services	$ 18,250.00	$ 18,250.00
Travel:	Airfare	$ 6,000.00	$ 3000.00
	Per Diem	$ 3170.00	$ 2000.00
	Training, Workshop & Conference Fees	$ 1500.00	$ 1500.00
	Other:	$	$
	Other:	$	$
	Total Travel	$ 10,670.00	$ 6500.00
Facility Expenses:	Telephone	$	$
	Rent	$	$
	Electricity	$	$
	Water & Sewer	$	$
	Fuel Oil	$	$
	Repairs / Maintenance (buildings)	$	$
	Other:	$	$
	Other:	$	$
	Total Facility Expenses	$	$
Supplies:	Office & Clerical Supplies	$	$
	Postage Supplies	$	$
	Copier Supplies	$	$
	Other:	$	$
	Other:	$	$
	Total Supplies	$	$
Equipment:	Equipment	$	$
	Vehicle / Equipment Maintenance	$	$
	Other:	$	$
	Other:	$	$
	Total Equipment	$	$
Other Operating Expenses:	Interest & Late Charges	$	$
	Insurance & Bonding	$	$
	Membership Dues & Fees / Subscriptions	$	$
	Bank Charges	$	$
	Other Contractual:	$	$
	Other:	$	$
	Other:	$	$
	Total Other	$	$

TOTAL COUNCIL BUDGET	$ 28,920.00	$ 24,750.00

Enter on line 24 of Budget Summary

DETAILED FY 08 BUDGET FORM

BUDGETED OPERATING EXPENDITURES — ADMINISTRATION & FINANCE

		FY 07 ACTUAL (Estimated)	FY 08 BUDGET
Personal Services:	Salaries	$ 23,000.00	$ 30,000.00
	Stipends	$	$
	Payroll Taxes	$ 3,000.00	$ 3,000.00
	Workers Compensation	$	$
	Retirement / Pension	$	$
	Other: donations	$ 2,000.00	$ 2000.00
	Other:	$	$
	Total Personal Services	$ 28000.00	$ 28,000.00
Travel:	Airfare	$	$
	Per Diem	$	$
	Training, Workshop & Conference Fees	$	$
	Other:	$	$
	Other:	$	$
	Total Travel	$	$
Facility Expenses:	Telephone	$ 2490.00	$ 2500.00
	Rent	$ ~~0~~	$ ~~0~~
	Electricity	$ 4,200.00	$ 2,000.00
	Water & Sewer	$ 300.00	$ 300.00
	Fuel Oil	$	$
	Repairs / Maintenance (buildings)	$	$
	Other:	$	$
	Other:	$	$
	Total Facility Expenses	$ 6990.00	$ 7,000.00
Supplies:	Office & Clerical Supplies	$ 2,000.00	$ 2000.00
	Postage Supplies	$ 300.00	$ 300.00
	Copier Supplies	$ 350.00	$ 350.00
	Other:	$	$
	Other:	$	$
	Total Supplies	$ 2650.00	$ 2650.00
Equipment:	Equipment	$	$
	Vehicle / Equipment Maintenance	$ 200.00	$ 200.00
	Other:	$	$
	Other:	$	$
	Total Equipment	$ 200.00	$ 200.00
Other Operating Expenses:	Interest & Late Charges	$	$
	Insurance & Bonding	$ 3000.00	$ 5,000.00
	Membership Dues & Fees / Subscriptions	$	$
	Bank Charges	$ 60.00	$ 60.00
	Contractual: Legal Services	$	$
	Contractual: Accounting / Audit Services	$	$
	Other Contractual:	$	$
	Other:	$	$
	Other:	$	$
	Total Other	$ 3060.00	$ 5060.00

TOTAL ADMINISTRATION & FINANCE BUDGET	$ 40900.00	$ 42,910.00

Enter on line 23 of Budget Summary

DETAILED FY 08 BUDGET FORM

BUDGETED OPERATING REVENUES — LOCALLY GENERATED

		FY 07 ACTUAL (Estimated)	FY 08 BUDGET	Budget Summary Line Reference
Taxes:	Sales Taxes	$	$	
	Sales Tax Penalties & Interest	$	$	
	Property Taxes	$	$	
	Property Tax Penalties & Interest	$	$	
	Hotel/Motel Taxes	$	$	
	Hotel Tax Penalties & Interest	$	$	
	Motor Vehicle Taxes	$	$	
	Other:	$	$	
	Other:	$	$	
	Total Taxes	**$**	**$**	Enter on line 1
Special Assessments:		**$**	**$**	Enter on line 2
Licenses and Permits:		**$**	**$**	Enter on line 3
Fines and Penalties:		**$**	**$**	Enter on line 4
Contracted Services:	AVEC Reimbursement	$	$	
	IHS Health Clinic Lease	$	$	
	Airport Maintenance Contract w/State	$	$	
	Road Maintenance Contract w/State	$	$	
	Jail Contract w/State	$	$	
	Other:	$	$	
	Other:	$	$	
	Total Contracted Services	**$**	**$**	Enter on line 5
Service Charges:	Photocopies	$	$	
	Other:	$	$	
	Other:	$	$	
	Total Service Charges	**$**	**$**	Enter on line 6
Enterprises:	Electric Utility: Customer Payments	$	$	
	Electric Utility: PCE Subsidy	$	$	
	Water / Sewer	$	$	
	Washeteria / Sauna	$	$	
	Garbage Collection Services	$	$	
	Landfill / Dump Fees	$	$	
	Fuel Sales	$	$	
	Harbor / Dock Charges	$	$	
	Cable TV	$	$	
	Bingo / Pull Tab Receipts	$	$	
	Mass Transit	$	$	
	Phone Utility	$	$	
	Other:	$	$	
	Other:	$	$	
	Total Enterprise Revenues	**$**	**$**	Enter on line 7
Rentals:	Building Rentals	$	$	
	Equipment Rentals	$	$	
	Other:	$	$	
	Total Rentals	**$**	**$**	Enter on line 8

DETAILED FY 08 BUDGET FORM

BUDGETED OPERATING REVENUES — OUTSIDE SOURCES

		FY 07 ACTUAL (Estimated)	FY 08 BUDGET	Budget Summary Line Reference
Shared Revenues From The State of Alaska:	State Revenue Sharing	$ 40,000.00	$ 40,000.00	
	Safe Communities	$	$	
	Raw Fish Tax Refunds	$	$	
	Aviation Fuel Tax Refunds	$	$	
	Telephone / Electric Co-op Tax Refunds	$	$	
	Amusement / Gaming Tax Refunds	$	$	
	Liquor License Tax Refunds	$	$	
	Other:	$	$	
	Other:	$	$	
	Total State Shared Revenues	$ 40,000.00	$ 40,000.00	Enter on line 13
State of Alaska Operating Grants:	Library Grant	$	$	
	Suicide Prevention Grant	$	$	
	JTPA Grant	$	$	
	Other:	$	$	
	Other:	$	$	
	Other:	$	$	
	Total State Operating Grants	$	$	Enter on line 14
Federal Revenues Passed Through The State of Alaska:	Payment in Lieu of Taxes	$	$	
	National Forest Receipts	$	$	
	Operating Grant:	$	$	
	Other:	$	$	
	Other:	$	$	
	Other:	$	$	
	Total Federal Revenues	$	$	Enter on line 15
Other Outside Revenues:	Borough:	$	$	
	Other:	$	$	
	Other:	$	$	
	Total Other Outside Revenues	$	$	Enter on line 16
	TOTAL OUTSIDE OPERATING REVENUES	$ 40,000.00	$ 40,000.00	Enter on line 17
	TOTAL FY 08 OPERATING REVENUES	$ 49000.00	$ 40,000.00	Enter on line 18

DETAILED FY 08 BUDGET FORM

REVENUES FOR CAPITAL / SPECIAL PROJECTS — OUTSIDE SOURCES

		FY 07 ACTUAL (Estimated)	FY 08 BUDGET	Budget Summary Line Reference
Grants From the State of Alaska: (list projects)	Capital Project Matching FY___:	$ 25136.00	$ 25136.00	
	Capital Project Matching FY___:	$ 6000.00	$ 6000.00	
	Capital Project Matching FY___:	$	$	
	Legislative:	$	$	
	Other: TIGT	$ 37,000.00	$ 37,000.00	
	Other:	$	$	
	Other:	$	$	
	Total State Project Funds	$ 68,136.00	$ 68136.00	Enter on line 19
Grants From the Federal Gov't: (list projects)	EDA:	$	$	
	Denali Commission:	$	$	
	CDBG:	$	$	
	Mini Grant:	$	$	
	IHS:	$	$	
	Other:	$	$	
	Other:	$	$	
	Total Federal Project Funds	$	$	Enter on line 20
TOTAL REVENUES FOR CAPITAL/SPECIAL PROJECTS		$ 68136.00	$ 68136.00	Enter on line 21

FY 08 BUDGET SUMMARY - REVENUES

LOCALLY GENERATED REVENUES:		Line reference
Tax Revenues	$	1
Special Assessments	$	2
Licenses & Permits	$	3
Fines & Penalties	$	4
Contracted Services	$	5
Service Charges	$	6
Enterprise Revenues	$	7
Rentals	$	8
Leases	$	9
Sales	$	10
Other Local Revenues	$	11
Total Locally Generated Revenues	$ 0	12 Subtotal

OUTSIDE REVENUE SOURCES:		
State of Alaska Shared Revenues	$ 40,000.00	13
State Operating Grants	$	14
Federal Operating Revenues & Grants	$	15
Other Outside Revenues	$	16
Total Outside Revenues	$ 40,000.00	17 Subtotal

TOTAL FY 08 OPERATING REVENUES	$	18 Total

CAPITAL / SPECIAL PROJECT REVENUE SOURCES:		
State-Funded Capital/Special Projects	$ 68136.00	19
Federal Capital/Special Projects	$	20
Total Revenues for Capital / Special Projects	$ 68,136.00	21 Subtotal

TOTAL ALL FY 08 REVENUES	$ 108,136.00	22 Total
Prior-Year Cash Balance	$	
TOTAL CASH AVAILABLE FY 08	$	Total

FY 08 BUDGET SUMMARY - EXPENDITURES

		Line reference
Administration and Finance	$ 42910.00	23
Council	$ 24,750.00	24
Planning and Zoning	$	
Police	$	25
Fire	$	26
Ambulance	$	
Other Public Safety	$	
Streets and Roads	$	27
Airport	$	28
Harbor and Dock	$	29
Electric Utility	$ 421,400.00	30
Water and Sewer	$	31
Washeteria	$	32
Garbage and Landfill	$	33
Fuel Sales	$	
Cable TV	$	
Bingo and Pull Tabs	$	
Mass Transit	$	
Phone Utility	$	
Other Enterprise:	$	
Other Enterprise:	$	
Other Public Works	$	
Health Facility	$	34
Other Health and Welfare Services	$	
Parks and Recreation	$	
Library	$	
Museum and Cultural	$	
Other Public Service:	$	
Other:	$	
Other:	$	
TOTAL FY 08 OPERATING EXPENDITURES	$ 488,340.00	35 Total

CAPITAL / SPECIAL PROJECT EXPENDITURES:

State-Funded Capital/Special Projects	$ 25,136.00	36
Federal Capital/Special Projects	$	37
Total Capital / Special Projects Expenditures	$	Subtotal

TOTAL ALL FY 08 EXPENDITURES	$513,476.00	Total

Utility Name: Napaskiak	Date of Report: 03-27-07	Test Period: 2006

INCOME STATEMENT

Utility Operating Income	
Sales Revenues *(From PCE Mo. reports Gross billed.)*	
Residential	$238,432.60
Commercial	93,255.16
Community Facilities	21,319.70
Federal/State Facilities	7396.55
TOTAL Sales Revenue	360404.01
Other Revenues	
Grants	-
Pole Rentals	-
Wasteheat In-kind	-
Other (See Schedule A)	-
TOTAL Operating Income	360404.01
Personnel Expenses:	
Total Compensation During Test Period	102388.06
Employer Portion of Payroll Taxes	10525.49
Workers' Compensation	-
TOTAL Personnel Expenses	112913.55
Operating Expenses:	
Fuel Expense *(Mar. 07 1st mo pmt, this is total for all 2007)*	165,069.44
Purchased Power	-
Generator Oil	4498.08
Generator Filters	6915.17
Generator Repairs/Maintenance (Parts and Freight)	527.04
Tools	-
Equipment Rental	-
Other (See Schedule A)	37532.11
TOTAL Operating Expenses:	214541.84
General and Administrative Expenses:	
Outside Professional Services	1239.35
Insurance	11522.00
Office Supplies	1769.09
Postage	780.00
Office Rent	-
Travel	14599.66
Training	240.00
Bad Debt Expense	-
RCA Fees	588.00
Other (See Schedule A)	10233.57
TOTAL General and Administrative	40971.67
Other Expenses:	
Interest Expense	-
Depreciation Expense	6362.00
TOTAL Other Expenses	6362.00
TOTAL Utility Operating Expenses	374489.06
NET OPERATING INCOME	-$14385.05 *(See fuel Expense)*

Utility Name	Date of Report (Mo,Da,Yr)	Test Period
Napaskiak	12-31-06	2006

BALANCE SHEET ACCOUNTS

Acct#		
	ASSETS	
101	Electric Plant in Service — Use the Depreciation Schedule Total for this	$ 100,438.00
110	Accumulated depreciation and amortization of electric utility plant	-
	Net Plant In Service	-
107	Construction work in progress- Electric	-
	Total Utility Plant	-
121	Nonutility property	-
122	Accumulated depreciation and amortization of nonutility property	-
130	Cash and working funds chq $26510.41, Savings $19613.62, CD $3720.21, #"7 $500	50 344 24
142	Customer accounts receivable	39754.29
144	Accumulated provision for uncollectible accounts-credit	-
151	Fuel Stock 8'6" 8'6" 2'5"	137650.65
154	Plant materials and operating supplies	-
174	Miscellaneous current and accrued assets	-
186	Miscellaneous deferred debits	-
190	Accumulated deferred debits	-
	Total Assets	$ 227749.18
	EQUITY	
201	Common stock issued	$ -
204	Preferred stock issued	-
211	Miscellaneous paid-in capital	-
215	Appropriated retained earnings	-
216	Unappropriated retained earnings	-
218	Noncorporate proprietporship	-
	Total Equity	-
	LIABILITIES	
224	Other long-term debt — AEA fuel loan pd until Feb.07	-0-
232	Accounts payable — we owe bills (Sacable Dec)	2101.93
235	Customer deposits	-
236	Taxes accrued	-
237	Interest accrued	-
242	Miscellaneous current and accrued liabilities	-
252	Customer advances for collection	-
253	Other deferred credits	-
	Total Liabilities	2101.93
	Total Liabilities and Equity	$ -

8'6" = 20,227 gallons

2'5" = 4,161

= 44,615.00 x @ 3.0853 = $137,650.65